

C1 4. The method of claim 23, wherein the tool comprises cubic boron nitride, polycrystalline diamond, a coated or uncoated hard metal or a ceramic.

10. The method of claim 23, wherein the tool is an indexing insert.

C7 11. The method of claim 23, wherein the tool is fitted with a plurality of indexing inserts.

Please add new Claims 23-26 as follows:

sub 24 23. (NEW) A method of making an engine block, comprising:
C3 dry cutting an interior of the cylinder bore without a lubricant using a tool having a surface profile, wherein a portion of a material forming the interior is removed and produces a surface having a defined quality or structure; and thermally-spraying a layer onto the surface, without prior degreasing or cleaning.

C3 24. (NEW) A process for surface coating an interior side of a cylinder bore, comprising:
removing a portion of material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and
directly applying a thermally sprayed tribological layer to the surface, wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached, using a cutting tool with a defined surface profile.

26 25. (NEW) A process for surface coating an interior side of a cylinder bore,

comprising:

removing a portion of a material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and

directly applying a thermally sprayed tribological layer to the surface, wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached, using a cutting tool with an undefined surface profile.

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26.(NEW) A process for surface coating an interior side of a cylinder bore, consisting of:

removing a portion of material forming the interior side of the cylinder bore to be coated, thereby creating a surface having at least one of a defined structure or quality; and

directly applying a thermally sprayed tribological layer to the surface, wherein the removing comprises dry-cutting without a lubricant in one process step until a roughness value of from 25 to 65 μm is reached.

REMARKS

Claims 3-4, 10-11, and 23-26 are pending herein. By this Amendment, Claims 1-2, 15-16, 18, 20, and 22 are canceled; Claims 3-4 and 10-11 are amended; and new Claims 23-26 are added. Support for the new claims is found in the specification at, inter alia, pages 1-2 and 4.

I. FORMAL MATTERS

Claims 10-11 and 16 were objected to. Claims 15, 20 and 22 were objected to under 35 U.S.C. 112, second paragraph, as being indefinite.